

PIPE INFORMATION DISCLOSURE CITATION
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ATTY DOCKET NO.
HALB 00

SERIAL NO.
09/929,465

Jeff Kirsner, et al.

FILING
08/14/2001

GROUP
AUG 27 1712
2002

U.S. PATENT DOCUMENTS

INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED DATE IF APPROPRIATE
PT	A	4,508,628	04/02/1985	Walker, et al.	252	8.5	05/19/1983
	B	5,333,698	08/02/1994	Van Slyke	175	63	05/21/1993
	C	5,846,913	12/08/1998	Sawdon	507	103	03/17/1997
	D	5,635,457	06/03/1997	Van Slyke	507	103	04/17/1995
	E	4,012,329	03/15/1977	Hayes, et al	252	8.5 P	09/22/1975
	F	5,237,080	08/17/1993	Daute, et al.	554	213	07/10/1980
	G	5,330,662	07/19/1994	Jahnke, et al.	252	8.551	03/17/1992
	H	6,090,754	07/18/2000	Chan, et al.	507	110	07/18/2000
	I	6,001,790	12/14/1999	Schmitt, et al.	C11D 1	722	12/17/1997
	J	5,403,508	04/04/1995	Reng, et al.	C11D 1	825	05/13/1993
PT	K	5,308,401	05/03/1994	Geke. et al.	134	2	04/30/1991

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
PT	BA	GB 2,212,192 A	07/19/1989	United Kingdom	C09K	7/06		
PT	BB	EP 0 134 173	03/13/85	Europe	C09K	7/06		✓
PT	BC	WO 83/02949	09/01/1983	PCT	C09K	7/06		
PT	BD	GB 2,287,052 B	03/13/1996	United Kingdom	C09K	7/06		
PT	BE	DE 196 43 857	05/07/1998	Germany	C09K	BQ1F		✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

PT	CA	"Neodol 23-6.5", SHELL CHEMICALS< 'Online! XP 002164096; Retrieved from the Internet: URL:http://www.shellchemicals.com/neodol/1,1098,876.00.html, retrieved on 2001-03-28! page 1 - page 2
P.T	CB	"Altonic product sheet", CONDEA, 'Online! XP002164097; Retrieved from the Internet: URL:http://www.condea.de/products/surfactants/surfactants_nonionnic/alfonic.html 'retrieved on 2001-03-28! page 1- page 4

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U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
PT	L 6,110,874	08/29/2000	Van Slyke	507	103	09/04/1998		
	M 6,107,255	08/22/2000	Van Slyke	507	103	09/04/1998		
	N 6,034,037	03/07/2000	Van Slyke	507	103	01/07/1999		
	O 5,958,845	09/28/1999	Van Slyke	507	103	01/29/1996		
	P 5,254,531	10/19/1993	Mueller, et al.	507	131	01/21/1992		
	Q 5,929,297	07/27/1999	Theriot, et al.	585	525	09/25/1997		
	R 5,877,378	03/02/1998	Overstreet, et al.	585	637	09/15/97		
	AS 5,849,974	12/15/1998	Clarembreau, et al.	585	668	01/28/1997		
	AT 5,589,442	12/31/1994	Gee, et al.	507	103	06/07/1995		
	AU 5,744,677	04/28/1998	Wu	585	512	07/14/1992		
PT	AV 5,569,642	10/29/1996	Lin	507	103	02/16/1998		
FOREIGN PATENT DOCUMENTS								
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							YES	NO
PT	BF	GB 2,309,240 A	07/23/1997	United Kingdom	C09K	7/06		
PT	BG	DE196 43 840 A	07/05/1998	Germany	E 21 B	21/14		✓
PT	BH	WO 93 23491 A	11/25/1993	PCT	C09K	7/06		
PT	BI	DE 40 18 228 A	12/12/1991	Germany	C09K	7/06		✓
PT	BJ	DE 44 20 455 A	12/14/1995	Germany	C09K	7/00		✓
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
PT	CC	"Tergitol detergents", SIGMA PRODUCT INFORMATION SHEET, 'Online! XP002164098, Retrieved from the Internet: URL: http://www.sigald.sial.com/sigma/proddata/t7543x.htm 'retrieved on 2001-03-28! page 1 - page 2.						
PT	CD	Chapter 13, Synthetics, Baroid Fluids Handbook, Revised August 1, 1997.						
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				FILING 08/14/2001		GROUP 1712			
U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL	TRADEMARK	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
P7	AW	5,252,554	10/12/1993	Mueller, et al.	507	138	01/21/1992		
	AX	5,232,910	08/03/1993	Mueller, et al.	507	138	09/06/1991		
	AY	4,964,615	10//23/1990	Mueller, et al.	507	243	05/23/1988		
	AZ	5,837,655	11/17/1998	Halliday, et al.	507	103	05/01/1996		
	DA	2,816,073	12/10/1957	Stratton	252	8.5	07/16/1956		
	DB	3,684,012	08/05/1972	Scheffel, et al.	166	283	06/12/1970		
	DC	3,878,117	04/15/1975	Williams, et al.	252	47	05/17/1973		
	DD	3,912,683	10/14/1975	O'Farrell	260	29.7	07/12/1974		
	DE	3,954,627	05/04/1976	Dreher, et al.	252	8.5 P	11/07/1973		
	DF	4,007,149	02/08/1977	Burton, et al.	260	29.7	07/02/1975		
P7	DG	4,012,329	03/15/1977	Hayes, et al.	252	8.5 P	09/22/1975		
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
							YES	NO	
P7	BK	WO 00 71241 A	11/30/2000	PCT	B01F	17/00			
P7	BL	EP 0 561 608 A	09/22/1993	Europe	C09K	7/06			
P7	BM	WO 99 50370 A	10/07/1999	PCT	C09K	3/00			
P7	BN	AU-B-75043/94	03/22/1995	Australia	C09K	7/06			
P7	BO	EP 0 124 194 A2	11/07/1984	Europe	C09K	7/06			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
P7	CE	P.A. Boyd, D. L. Whitfill, T.S. Carter, and J.P. Allamon, New Base Oil Used in Low-Toxicity Oil Muds, 14 J. Petroleum Technology, 1985, pages 937-942							
P7	CF	Friedheim, J.E., "Second-Generation Synthetic Drilling Fluids", SPE Distinguished Author Series: Dec. 1981-Dec. 1983.							
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Jeff Kirsner, et al.

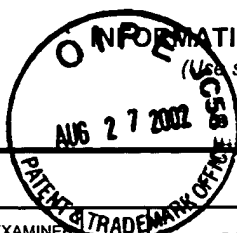
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PT	DH	4,148,821	04/10/1979	Nussbaum et al.	260	505 S	04/13/1976
	DI	4,153,588	05/08/1979	Makowski et al.	260	23.5	11/29/1977
	DJ	4,390,474	06/28/1983	Nussbaum et al.	260	505 R	06/12/1980
	DK	4,425,462	01/10/1994	Turner et al.	524	400	09/13/1982
	DL	4,447,338	05/08/1984	Lundberg et al.	252	8.5 M	08/12/1981
	DM	4,488,975	12/18/1984	Almond	252	8.55 R	12/13/1982
	DN	4,552,215	11/12/1985	Almond et al.	166	278	09/26/1984
	DO	4,553,601	11/19/1985	Almond et al.	166	308	11/19/1985
	DP	4,671,883	06/09/1987	Connell et al.	252	8.515	07/12/1985
	DQ	4,787,990	11/29/1988	Boyd	252	8.511	02/04/1983
PT	DR	4,810,355	03/07/1989	Hopkins	208	58	03/31/1988

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
PT	BP	WO 95/21225	08/11/1985	PCT	C09K	7/00		
PT	BQ	WP 95/09215	04/06/1995	PCT	C09K	7/00		
PT	BR	EP 0 247 801 A2	12/02/1987	Europe	C09K	7/06		
PT	BS	EP 0 254 412	01/27/88	Europe	C09K	7/06		
PT	BT	GB 2,166,782 A	05/14/1986	United Kingdom	C09K	7/06		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

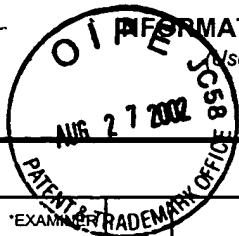
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BT	DS 4,900,456	02/13/1990	Ogilvy	252	8.55	11/22/1988
BT	DT 5,045,219	09/03/1991	Trahan, et al.	252	8.51	11/22/1988
BT	DU 5,189,012	02/23/1993	Patel, et al.	507	103	06/08/1990
BT	DV 5,333,698	08/02/1994	Van Slyke	175	65	05/21/1993
BT	DW 5,432,152	07/11/1995	Dawson, et al.	507	103	08/16/1994
BT	DX 5,498,596	03/12/1996	Ashjian, et al.	507	103	09/29/1993

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
BT	BU	GB 2,212,192 A	07/19/1989	United Kingdom	C09K	7/06		
BT	BV	WO 83/02949	09/01/1983	PCT	C09K	7/06		
BT	BW	WO 94/16030	07/21/1994	PCT	C09K	7/06		

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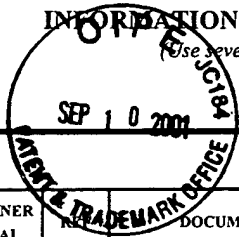
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INFORMATION DISCLOSURE CITATION

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Docket Number (Optional)

HALB:020

Application Number

09/929.465

Applicant(s)

Jeff Kirsner, Kenneth W. Poer and Robert W. Pike

Filing Date

08/14/01

Group Art Unit

To Be Assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PT	AA	4,802,998	02/07/89	Mueller et al.	252	8.514	07/08/87
	AB	5,106,516	04/21/92	Mueller et al.	507	138	02/09/90
	AC	5,252,554	10/12/93	Mueller et al.	507	138	01/21/92
	AD	5,318,954	06/07/94	Mueller et al.	507	138	06/29/93
	AE	5,318,955	06/07/94	Mueller et al.	507	139	03/24/93
	AF	5,318,956	06/07/94	Mueller et al.	507	139	04/29/93
	AG	5,403,822	04/04/95	Mueller et al.	507	138	05/27/93
	AH	5,441,927	08/15/95	Mueller et al.	507	138	11/09/94
	AI	5,508,258	04/16/96	Mueller et al.	507	135	04/28/95
	AJ	5,607,901	03/04/97	Toups, Jr. et al.	507	103	02/17/95
PT	AK	Re. 36,066	01/26/99	Mueller et al.	507	138	09/06/91

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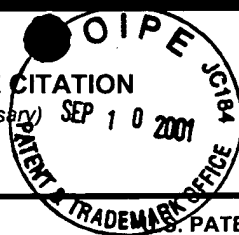
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PT	AL	5,869,434	02/09/99	Mueller et al.	507	110	06/06/95
	AM	5,909,779	06/08/99	Patel et al.	175	50	06/30/98
	AN	6,022,833	02/08/00	Mueller et al.	507	203	09/18/97
	AO	6,165,946	12/26/00	Mueller et al.	507	203	10/21/97
	AP	6,180,572B1	01/30/01	Mueller et al.	507	209	12/06/96
	AQ	6,211,119B1	04/03/01	Herold et al.	507	103	11/10/97
P.T	AR	5,869,434	02/09/99	Mueller et al.	507	110	06/06/95

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PT	AS	Friedhelm, J. E., "Second -Generation Synthetic Drilling Fluids", SPE Distinguished Author Series: Dec. 1981-Dec. 1983

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